

FLOOR COVERING INSTALLER, PRE-APPRENTICE

A student who has completed the Job Corps Floor Covering Installer program is equipped with the skills to contribute to the workplace as a valued employee from day one. Competence in academic and vocational skills is required for graduation. In addition, Job Corps students learn employability and technological skills. To complete his or her Floor Covering Installer training, a student must master skills in these categories:

LEVEL I

SAFETY

Demonstrate the ability to recognize health and safety hazards associated with tools, equipment, chemicals, etc.; demonstrate an understanding of OSHA HAZMAT regulations; demonstrate the safe use of hand, air and power tools and related equipment; demonstrate the ability to recognize electrical hazards; demonstrate an understanding of the proper use and the limitations of a personal respirator/protector; demonstrate a knowledge and the proper use of sight and hearing protection and protective clothing; maintain clean work areas and store materials properly; identify the locations of all first aid equipment and fire extinguishers.

TRADE BASICS

Identify hand and power tools associated with the trade; accurately measure to within 1/16"; identify floor grade levels (above, on and below grade); inspect floor surface conditions (including an inspection for moisture), and make evaluations as to readiness for floor covering installation; identify various types of floor construction (wood, concrete, terrazzo, ceramic, etc.); demonstrate an understanding of various floor coverings such as plush carpet, loop-pile carpet, berber, action back, hot melt back, enhance back, woven wool, sculptured carpet, felt-backed linoleum, solid vinyl linoleum, interflex and VCT (vinyl composition tile); scrape and/or sand floors to obtain a usable finish.

TILE AND SHEET GOODS

Distinguish among types of floor adhesives including full-spread felt-backed sheet flooring, pressure-sensitive adhesive, epoxy, perimeter glue down, solid vinyl adhesive and stair tread adhesive, and explain their uses; distinguish among different types of seam sealers and seam adhesives; demonstrate the ability to properly lay out and install resilient tile according to blueprints, shop drawings and manufacturer's specifications including monolithic, checkerboard, ashler (running bond) 45° angle and square precision cutting; properly install stair treads according to manufacturer's instructions; identify and install metal and vinyl edges; install wall base: carpet banding, cove and straight base (no toe); clean up installed materials and job site upon completion of the project.

CARPET

Install tackless strip on wood and concrete surfaces; install carpet padding on wood and concrete surfaces; install glue-down carpet; upholster side of steps using glue-down carpet; finish curved bull-nosed steps using glue-down carpet; use seam sealers on all carpets; identify and install metal and vinyl edges; clean installed materials and job site upon completion of the project.

LEVEL II

(LEVEL I SKILLS PLUS THE FOLLOWING)

TRADE BASICS

Read blueprints and shop drawings and estimate materials needed; mix and float floor-patching material; use solid materials to fill, shim and/or level the floor to obtain a usable surface; efficiently lay out materials to reduce waste.

RESILIENT TILE AND SHEET GOODS

Perform rough cuts and net cuts necessary to properly install sheet goods; pattern and direct scribe materials to fit room; seam sheet goods using the following methods: straight edge and butt, under-scribed and double cut; repair damages in sheet goods (seams and patches).

CARPET

Install broadloom carpet using tackless installation; power-stretch carpet to manufacturer's specifications; measure, cut and properly install carpet on stairs; install broadloom carpet on box stair steps using waterfall and capriser methods; upholster sides of steps using waterfall and capriser methods; finish curved bull-nosed step in two systems (capriser and waterfall); make neat and tight seams in all varieties of broadloom carpet including seam sealer, hot seaming tape, glue, hand-sewn and pin tape and latex; measure and seam pattern-matched carpet.

CERAMIC TILE (OPTIONAL)

Identify various types of ceramic tile such as glazed, quarry, porcelain, mosaic, marble and pavers; properly lay out various patterns; properly cut tile (power and hand cutting); identify and use proper adhesives; properly grout tile; repair and/or replace damaged or worn tile and grout; clean up installed materials and job site upon completion of the project.

WOOD AND LAMINATE FLOORING (OPTIONAL)

Identify types of wood and laminate flooring including 3/4" and 3/8" tongue-and-groove and laminate flooring; prepare subfloor; lay out and start floor pattern; fit, cut and nail tongue-and-groove strip flooring; fit and cut parquet and laminate flooring; clean up installed materials and job site upon completion of project.